

5661

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: CALIFORNIA

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. SB-53

LOCALITY

Santa Cruz Island

Prisoners Harbor

34
19 35

CHIEF OF PARTY

Chas. K. Green

U. S. GOVERNMENT PRINTING OFFICE: 1926

5661

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURV
LIBRARY AND ARCHIVES
FEB 26 1935
REG. NO.
Acc. No.

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 53

REGISTER NO. 5661

State California

General locality Santa Cruz Island

Locality Prisoners Harbor

Scale 1-5000 Date of survey July-October, 1934

Vessel Chartered launch Virginia

Chief of Party Chas K. Green

Surveyed by Harry T. Kelsh

Protracted by C. L. Rasmussen

Soundings penciled by C. L. Rasmussen

Soundings in fathoms ~~feet~~

Plane of reference MLW

Subdivision of wire dragged areas by None

Inked by Arthur H. Bissell

Verified by Arthur H. Bissell

Instructions dated Oct 31, 1932 and Sept 9, 1933, 19

Remarks:

Descriptive Report to
accompany
HYDROGRAPHIC SHEET FIELD NO. 53
SANTA CRUZ ISLAND--PRISONER'S HARBOR
California

INSTRUCTIONS

October 31, 1932 and Sept. 9, 1933

LIMITS AND SCALE

This sheet embraces Prisoner's Harbor, north side of Santa Cruz Island, and includes Pelican Bay and several small bays to the westward, included in the general area from long. 119-39 to 119-44 W., a total of about 4 miles of shoreline.

The scale is 1-5000

GENERAL DESCRIPTION

The shore in this area is rocky with hills rising directly from the shore. There is a narrow gravel beach in Prisoner's Harbor. A substantial wooden pier extends out 150 meters.

In Pelican Bay there is no beach; landing to the summer camp located there is effected at the small boat hoist.

The 10 fathom curve lies, in Prisoner's Harbor about a third of a mile offshore; but outside the small harbors, on the general coastline it is within 250 meters of the shore.

SURVEY METHODS

The inshore line and small bays were run with a skiff; the remainder with launch, using hand lead to 15 fathoms and vertical cast wire machine soundings in greater depths. Control was ample.

DISCREPANCIES

No discrepancies.

DANGERS

The coast is entirely free of offlying dangers.

COMPARISON WITH PREVIOUS SURVEYS

The depth curves compare favorably with former work (1324 A 1875)

ANCHORAGES

Prisoner's Harbor affords a good anchorage for Northwest winds; with best anchorage just outside and west of the pier.

Small boats also anchor in Pelican Bay in north-west weather, anchoring close to the cliff which forms the west shore of that bay.

The small harbors are used occasionally by pleasure craft; but there is often a heavy backwash from the sides, even with a moderate sea.

GEOGRAPHIC NAMES

One mile west of Pelican Bay on the former survey are shown two small bays (Tinker's Hbr, and Scent Hbr.) and the name Tinkers appears on the present chart at that place. These are very unimportant anchorages. However ^{are now} pleasure craft occasionally anchor here. The two harbors ~~have become~~ known as Twin Harbors. Except for a large scale chart neither name is important, but Twin Harbors is the present local name.

and should be so charted. ckg

Harry T. Kelsh
Harry T. Kelsh
Surveyor

ADDITIONAL NOTES:

The sounding 6 5/6 fathoms on position 165d is evidently in error. The original sounding as recorded in the record book is 7 fathoms. In view of the fact that this sounding is between recorded soundings of 7 1/2 fathoms and 13 fathoms it is safe to assume that the recorder made an error of recording 7 fathoms when it should have been 11 fathoms. By assuming this sounding to be 11 fathoms it checks the 10 fathom sounding within 4 feet when reduced. It is recommended that the sounding be changed from 6 5/6 fathoms to 11 fathoms for charting purposes. *Recommendation Concurred in*

RJS.

*Correction made in sounding records
and so plotted*

APPROVAL OF CHIEF OF PARTY

Hydro Sheet, Field #54 and records have been inspected and approved by me. Field work was done under my occasional supervision and the office work under the direction of Lieut. Robert W. Knox.

C K Green

Chas. K. Green,
Chief of Party

Report on - H-5661
Surveyed in - July & October 1934
Chief of Party - Chas. K. Green
Surveyed by - Harry T. Kelsh
Protracted by - C. L. Rasmussen
Soundings plotted by - C. L. Rasmussen
Verified & Inked by - A. H. Bissell

- (1.) Day letters in records are in capitals while those on smooth sheet are in small letters.
- (2.) The depth curves were completely drawn.
- (3.) Fathoms from 10 to 11 fathoms were omitted and have been added in compliance with the latest instructions. Several soundings were erroneously plotted.
- (4.) In a number of instances it was necessary to redraw the shore line and relocate rocks.
- (5.) The junction with H-5695 (1934-1935) and H-5660 (1934) was not made as these sheets had not been verified.
- (6.) Changed point near station 406 from "g" to "h" to conform with records.
Added bottom characteristics not plotted.

Respectfully submitted by

A. H. Bissell

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO.5661

The following statistics will be submitted with the
cartographer's report on the sheet:

Number of positions on sheet	..644.
Number of positions checked	..183.
Number of positions revised	...9..
Number of soundings recorded	1634.
Number of soundings revised	..53.
Number of signals erroneously plotted or transferred0.....

Date: May 1st, 1935

Verification by Arthur H. Bissell

Time: 91 hrs.

Review by

W. H. Shaw

Time: 9 1/2 hr.

To: H.M. Strong
From: C.F.M.

Survey No. H 5661

Date. Mar. 2, 1935 **GEOGRAPHIC NAMES**
CALIFORNIA

Chart No. 5202

Diagram No. 5202-2

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

LAC

E

April 6, 1935

Division of Hydrography and Topography:

✓ Division of Charts: Att: Mr. E. P. Ellis

Tide Reducers are approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 5661

Locality Prisoners Harbor, Santa Cruz Island, Southern California Coast.

Chief of Party: R. W. Knox in 1934
Plane of reference is mean lower low water reading
3.5 ft. on tide staff at Prisoners Harbor
11.8 ft. below B.M. 1

Height of mean higher high water above plane of reference is 5.0 feet.

Condition of records satisfactory except as noted below:

Ham
Atty Chief, Division of Tides and Currents.

STATISTICS

Sheet SB 53

Date 1934	Day	St mi sdg lines	No. sdgs.	No. pos.	Boat used
July 20	a	1.0	42	10	Whaleboat
Sept 20	b	15.1	258	126	Virginia L
Oct. 6	c	5.4	116	53	
8	d	19.7	455	194	
9	e	8.2	478	147	Skiff
10	f	10.0	254	114	Virginia l
21	g	<u>.3</u>	<u>31</u>	<u>11</u>	Skiff
		59.7	1634	644	

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5661 (1934)

Prisoners Harbor, Santa Cruz Island, California

Surveyed in 1934

Instructions dated October 31, 1932 and September 9, 1933 (C. K. Green)

Hand Lead and Machine Soundings

3 Point fixes on shore signals

Chief of Party - C. K. Green.

Surveyed by - H. T. Kelsh.

Protracted by - C. L. Rasmussen.

Soundings penciled by - C. L. Rasmussen.

Verified and Inked by - A. H. Bissell.

1. Condition of Records.

a. The records are neat and legible and conform to the requirements of the Hydrographic Manual except as follows:

- (1) No copy of landmarks for charts on form 567 accompanied this particular sheet.
- (2) Capital day letters were used in the records, and lower case letters were plotted on the sheet. The records have been altered in the office to conform to the smooth sheet plotting.

b. The Descriptive Report, although brief, covers the more important items.

2. Compliance with the Instructions for the Project.

The plan, character and extent of the work complies with the instructions.

3. Sounding Line Crossings.

The cross lines are satisfactory and the agreement with the parallel lines is excellent.

4. Depth Curves.

Considering the exposed nature of the area the usual depth curves may be satisfactorily drawn, including large portions of the one and two fathom curves.

5. Junctions with Contemporary Surveys.

The junction on the northeast with H-5660 (1934) and H-5695 (1934-35) on the northwest will be considered in the reviews of those surveys.

6. Comparison with Prior Surveys.

a. H-289 (1851).

This is a small scale reconnaissance survey of the west coast, which consists mostly of topography and a single sounding line run along the coast. Only four or five soundings lines fall within the limits of the present survey and they are in satisfactory agreement.

b. H-303 (1852).

This survey is of a reconnaissance nature and covers the anchorage area of Prisoners Harbor. The depths are in satisfactory agreement with the present survey.

c. H-1045 (1869).

The sounding lines on this survey are widely spaced and only a few soundings fall within the limits of the present survey. The agreement is satisfactory.

d. H-1324a and b (1875).

The depths on this survey are in good agreement with the present survey. A few minor differences are noted in the shore-line. There are no important shoal soundings which are in conflict with the present survey.

7. Comparison with Chart 5126.

Within the area of the present survey the chart is based on surveys discussed in the foregoing paragraphs and contains no additional information which needs consideration in this review.

8. Field Plotting.

The field protracting and plotting are neat, accurate and conform to the requirements of the Hydrographic Manual.

9. Additional Field Work Recommended.

Considering the large scale of this survey, the area is well covered and no additional work is required.

10. Superseding Old Surveys.

Within the area covered the present survey supersedes the following surveys for charting purposes:

H- 289 (1851)	In Part.
H- 303 (1852)	Entirely.
H-1045 (1869)	In Part.
H-1324a & b (1875)	In Part.

11. Reviewed by-Leo S. Straw, May, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green.*
Chief, Section of Field Records.

L. O. Pollock.
Chief, Division of Charts.

Paul G. Smith
acting
Chief, Section of Field Work.

R. R. Rubens
act Chief, Division of H. & T.

<i>applied to chart</i>	<i>5115</i>	<i>Feb</i>	<i>1936</i>	<i>Lu Jekwid</i>
"	"	"	<i>5202</i>	<i>Mar 1936 - C. M. Zerkow</i>
"	"	"	<i>5114</i>	<i>Feb 1936 - Lu Jekwid</i>
"	"	"	<i>5101</i>	<i>May 1936 - C. M. Zerkow</i>

25 Jan 15, 1936